

## K2

- Synthetic marijuana first appeared in Europe in early 2000s and in the US by 2008.
- Dr. John Huffman (Clemson University) started developing synthetic cannabinoids to aid in the research of MS, HIV/AIDS and chemotherapy.

## K2

- Late 2000's, two of Dr. Huffman's compounds were being sold in Germany as marijuana alternatives.
- JWH (John William Huffman) is the most widely used series of synthetic, the most noted is JWH-018.
- HU (Professor Raphael Mechoulam from the Hebrew University) was first synthesized in 1988 and HU-210 was created. 100x more potent than natural THC.

K2



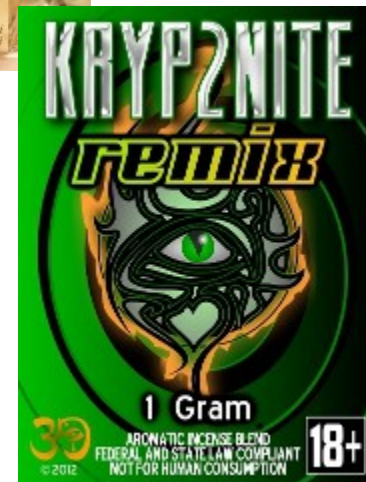
## K2 Facts

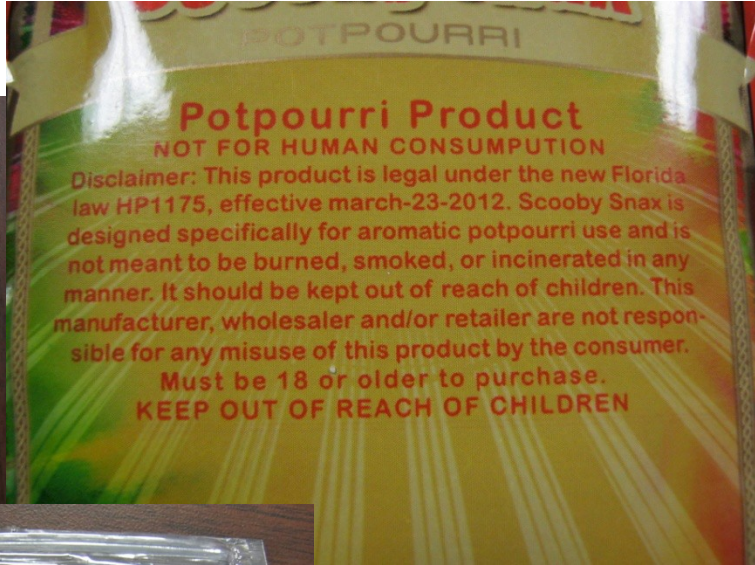
- Falsely advertised as “safe”, “natural” and “legal”
- Sold in tobacco shops and over the internet as an “herbal incense”, “plant food” or “potpourri”
- Makers disguise packages and avoid law enforcement by labeling package- “not for human consumption”



## K2 Facts

- Some of the chemicals used have not been completely identified and the effects on the human body and mind are unknown.
- Synthetic marijuana has appearance of dried leaves and sold in small, silvery plastic bags.





# K2



Synthetic chemical is sprayed on Leaves. Dried and packaged. No regulations or standards. Each could be different and dangerous to user

# K2 Facts

- It can be smoked in rolled joints, pipes or e-cigarettes.
- Some users make into tea or use in brownie recipes.
- Calls to poison control centers related to K2 use increased in the US by almost 80 percent between 2010 and 2012.
- Does not show up on drug test.
- Each bag could contain a different mix of synthetic chemical substances due to no regulations or standards.

## Common Names

➤ Silver Spice

➤ Diamond Spice

➤ PEP Spice

➤ Fire N Ice

➤ K2

➤ Algerian Blend

➤ Blaze

➤ Bliss

➤ Chill

➤ Dream

➤ Fake Pot

➤ Lava

➤ Mr. Smiley

➤ Scooby Snacks

➤ Skunk

➤ Spice XXX

➤ Silent Black

➤ Tai Fun

➤ Wicked

➤ Zen

# Short-Term Effects

## •On The Mind

- Unresponsiveness
- Loss of Consciousness
- Extreme Anxiety
- Delusions
- Hallucinations
- Potential Suicide

## •On The Body

- Nausea/Vomiting
- Heavy Sweating
- Rapid Heart Rate
- High Blood Pressure
- Heart Attack
- Convulsions

## Long Term Effects

- Long term effects are still not fully known but they can be life threatening.
- Withdraw symptoms can include: cravings, nightmares, headaches, insomnia, diarrhea and vomiting.
- Users have experienced forgetfulness, confusion and paralysis.